ABSTRACT

A method of performing color space conversion and under color removal. Pixelated data is first resampled (102) to an efficient word size—typically 8-bits wide. The RGB color format data words are then subtracted from a maximum intensity to yield CMY color format data words.

5   The minimum value of the three intensity words for each pixel is determined and used as an initial black value. A scaled version of the initial black value is then subtracted from each of the four CMYK intensity words (104). The resulting CMYK values are then limited to a range bounded by the maximum and minimum producible intensities for each color.